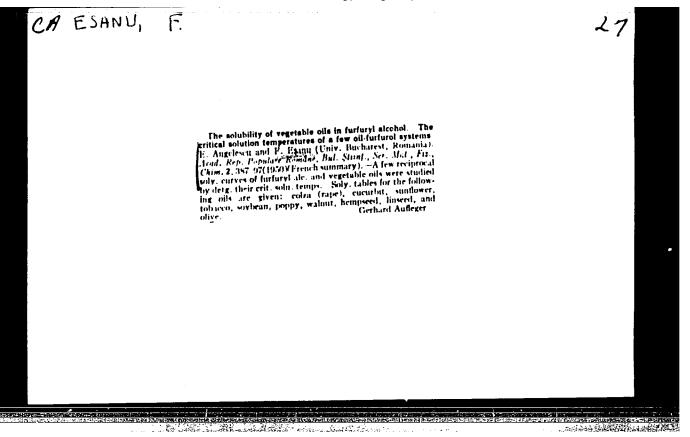
MILCU, St.-M., acad.; ESANU. C.; MITRACHE, Ludmila; DINULESCU, Elena; GRIGORESCU, A.

Pathology of lipid metabolism in obese patients. Stud. cercet. endocr. 16 no.3:270-277 165.

ESAKIYA, E. M.

"The study by students of the elements of agriculture in the botany course." Min Education Azerbaydzhan SSR. Azerbaydzhan State Pedagogical Inst imeni V. I. Lenin. Baku, 1956. (DISSERTATION For the Degree of Candidate in PEDAGOGICAL SCIENCE.)

Knizhnaya letopis' No 33, 1956, Moscow



RUMANIA / Chemical Technology. Cellulose and Its H-33 Derivatives. Paper.

Abs Jour: Ref Zhur-Khimiya, No 14, 1959, 52016.

Author : Esanu, F.
Inst : Not given.
Title : Paper Casting.

Orig Pub: Celul. si hirtie, 1958, 7, No 11, 445-449.

Abstract: Presented are methods of paper casting and described is an apparatus built at the First of May Paper Factory, that manufactures special boxes for packaging eggs.

Card 1/1

H-199

## ESAMM, F.

Manufacture of some varieties of packaging anticorresive paper. p. 263.

CHELOZA SI WIMITE. (Asociatia Stiintifica a Incinerilor si Tec'ricienilor din Rominia si Ministerul Industriei Petrolului si Chicie) Fucuresti, Rumania. Vol. 8, no. 8, Aug. 1959.

Monthly List of East European Accessions (EZAI) LC, Vol. 9, no. 2, Feb. 1960.

Uncl.

### ESANU, F.

Corrugated paperboard, and its use as packaging material. p.328

CELULOZA SI HIRTIE. (Asociatia Stiintifica a Iginerilor si Technicienilor din Rominia si Ministerul Industriei Petrolului si Chimie) Bucuresti, Romania Vol. 8, no. 10, Oct. 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no.2, Feb. 1960 Uncl.

ESANU, F., ing.; POPESCU, C., biolog; PETREA, G., ing.; HERSCU, O., chim.

Some contributions on the use of straw as raw material in the paper industry. Cel hirtie 10 no.7/8:249-258 Jl-Ag\*61

POPESCU, G., biolog, laureata a Premiului de Stat; ESANU, F., ing.; ANDRUCHOVICI, F., ing.; LAZAR, V., biolog; SAVULESCU, Alice, prof. dr.

Combating the microorganisms in moist straw cellulose. Cel hirtie 11 no.4:141-150 Ap 162.

1. Institutul de Cercetari si Proiectari pentru Hirtie, Celuloza si Stuf (for Andruchovici). 2. Institutul de biologie "Traian Savulescu" (for Lazar). 3. Membru al Academiei R.P.R. (for Savulescu).

ESANU, F., ing.; KONERTH, H., ing.; ANDRUCHOVICI, F., ing.; FISCHGOLD, S. ing.; POPESCU, G., biolog.; ANTON, I., ing.; POPOVICI, M. ing.; HOTOPELEANU, A., ing.; REICHMANN, E., ing.; CONSTANTINESCU, O., ing.

Studies or how to obtain an alkaline pulp (sulfate and natron) from strate by continuous digesting in a Pandia type installation. Cel. hirtie 11 no.6:205-219 Je 62

WOLFSHAUT, C.; IOANITIU, D.; ESANU, C.; STOICA, T.; ALBU, N.; BUNEA, M.; ISTRATE, F.

Melanoderma with primary hypercorticotropism. Stud. cercet. endocr. 15 no.48351-355 164.

ESANU, G.; BANK, S.

Nonspecific heterologous serum as a blood substitute. Rev. igiena microb. epidem., Bucur. 1:63-77 Jan-Mar 55.

1. Institutul Dr. I. Cantacuzino si Catedra de microbiologie

I. P. S. M. F.

(BLOOD TRANSFUSION, experimental

heterologous nonspecific sera, causing shock & death, in guinea pigs.

(FORMALDEHYDE, off.

formol, on tox. of nonspecific heterologous sera for guinea pigs, relation to blood transfusion shock.

(ALLERGY

anaphylactic shock caused by heterologous nonspecific sera in transfusion, in guinea pigs.

WRINBACH , R.; ESANU, G.

Study of an X antigen complex from rhinopharyngeal exudate by means of an antigen-antibody reaction supported by erythrocytes (passive hemagglutination reaction of the Cantacuzino-Angelescu type) 5tud. cercet. inframicrobiol., Bucur. 6 no.3-4:565-576 July-Dec. 1955.

(ANTIGENS AND ANTIBODIES

X antigen complex from rhinopharyngeal exudate tested by passive hemagglut. reaction)

(HEMAGGLUT INAT ION

test of X antigen complex from rhinopharyngeal exudate)

U

RUMANIA / General Problems of Pathology. Immunity.

Abs Jour: Ref Zhur-Biol., No 9, 1958, 41851.

Author: Weinbach, R., Esanu, G.

Inst : Academy of RPR.

Title : Contribution To the Study of the Antigen Complex

X in the Nasopharyngeal Exudate with the Aid of the Antigen-Antibody Reaction and Utilization of Erythrocytes. II) The Reaction of Passive Hemagglutination of the Cantacuzino-Angelescu Type.

Orig Pub: Studii si cercetari inframicrobiol si parzitol.

Acad RPR, 1956, 7, No 3-4, 517-526.

Abstract: The study of the soluble antigen complex X dis-

covered by the authors (ibid. 1955, 6, No 3-4,) was undertaken with the aid of the Cantacuzino-Angelescu type of hemagglutination reaction. This complex is associated not only with hemoly-

Card 1/2

RUMINIA / General Problems of Pathology. Immunity. U

Abs Jour: Ref Zhur-Biol., No 9, 1958, 41851.

Abstract: tic streptococci group A, but with other microbes isolated from the nasopharynx (Bacilli Friedlander and others) : it is different from the compounds C and M, erythrogenic toxin or streptolysin-O; when it is present in excess the reaction of passive hemagglutination does not take place etc.

-- F. L. Bukh.

Card 2/2

1

MSANU, G.; BANC, S.; CAICU, N.; WEINBACH, R.; HAAS, H.; STAVRI, D.

Marit manchant Land

A study on Leuconostoc strains isolated in the Rumanian People's Republic. Rumanian M. Rev. 1 no.2:25-26 Apr-June 57.

(FUNGI

Leuconostoc strains isolated in Rumania)

ESANU, I.; MARIAN, N.; STOICUTA, M.

Comments on the treatment by iontophoresis of certain diseases of the anterior pole. Rumanina med. rev. 7 no.3:83-86 Ja-Mr.64



5(3) 17(1)

RUM/2-60-3-28/36

AUTHOR:

Eşanu, V.

TITLE:

The Artificial Muscle

PERIODICAL:

Stiință și Tehnică, Seria a II-a, 1960, Nr 3,

pp 38-39

ABSTRACT:

The article deals with the artificial muscle and compares the human muscles with the general principles of energy. The author refers to the chemical substance ATP and gives a short review of the chemical energy of this substance. The first model of a living muscle was developed by the Soviet researchers V.A. Engelhardt and M.N. Lyubimova in 1939. A model of an artificial muscle was developed recently by the Soviet Physical Chemist Kachialski. The latter suspended a polyacrylic acid thread on the arm of a dynamometer. The thread could expand or contract under the influence of bases and acids.

Card 1/2

The Artificial Muscle

RUM/2-60-3-28/36

This experiment proved that the 1-cm polyacrylic thread can carry a weight of 100 kg. The Academician Straub showed that the reaction of combined actin and myosin under the influence of ATP is stronger than the reaction of myosin alone. Further reference is made to the Soviet scientists Kobrinskiy, Breydo, Furfinkel and others, who created a prosthesis controlled by biocurrents. There are 2 figures.

Card 2/2

T-13

RUMANIA/Human and Animal Physiology - Action of Physical Factors.

Abs Jour : Ref Zhur - Biol., No 7, 1958, 32364

: Esanu, V. Author

Inst : New Soviet Investigations in the Field of the Use of Title

Ultrasound in Biochemistry.

Orig Pub : An. Rom.-Sov. Ser. biol., 1956, 10, No 1, 58-70.

Abstract : No abstract.

Card 1/1

- 180 -

ESANU, V.; MEGULESCU, F.

Influence of the attack of the fungus <u>Ustilago zeae</u> Beckm. on some physiological and biochemical processes in host plants. p. 303.

STUDII SI CERCETARI DE BIOLOGI. SERIA BIOLOGIE VEGETABLA. Bucuresti. Vol. 10, no. 3, 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 1, January 1960. Uncl.

ESANU, V., cerecetator

Can plants defend themselves against diseases? It si Teh Buc 14 no.10:18-19 0 '62.

ESANU, V.

The phosphatase and apyrase activity in the tobacco plants infected with mosiac virus. Rev biol 7 no.2:19,-200 '62.

1. Biologisches Institut "Tr. Savulescu," Sektion für Phytopathologie und Mikrobiologie.

# ESANU, V.

Activating energy of the reaction of H2O2 decomposition by catalase on the potato species sensitive and resistant to Phytophthora infestants fungus attack. Studii cerc biochimie 6 no.1:91-95 163.

1. Institutul de biologie "Traian Savulescu" al Academiei R.P.R., Sectia de fitopatologie si microbiologie.



SAVULESCU, Alice, acad.; ESANU. V.; CALIN, Nell; NEGULESCU, Florica; GROSSU, Maria; HURGHISIU, Ileana

Morphologic, anatomic, physiological, and biochemic characteristics of some species of potatoes with different degrees of resistance to Phytophthora infestans (Mont.) de Bary fungus attack. Studii cerc biol s. bot 17 no.1:71-84 164.

1. Laboratory of Phytopathology and Microbiology, "Traian Savulescu" Institute of Biology. Submitted August 5, 1964.

II-25

RUNAMIA/Chemical Technology - Chemical Products and Their

Application. Fats and Oils. Maxes. Soap.

Detergents. Flotation Teagents.

: Ref Zhur - Khimiya, No 8, 1950, 26669 Abs Jour

**Author** : Klang H., Esanu-Scheuerman Farmy

Inst Title Oxidation of Higher Paraffins to Alcohols.

Orig Pub : Nev. Chim., 1956, 7, No 8, 462-467

Abstract : Results of a direct oxidation of a number of different

> grades of paraffins containing up to 22 C-atoms. By oxidation in the presence of 15 no, and H.Po. of 5 sen-ples of paraffin (d20 0.80h2, n200 1.4308, average mole-cular weight 363, aniline value 116) at 150-2000 were obtained products having the hydroxyl values (IIV) 88.9, 83.4, 72.4, 78.2, 72.0; after extraction with metianol, treatment with MaOH and extraction with other, gesoline

or methyl ethyl ketone, HV were, respectively 183.0, 194.0, 200.0, 171.0 and 181.0.

Card 1/1

COUNTRY

: USSR

CATEGORY

Farm Animals.

Poultry.

Q

ABS. JOUR.

RZhBiol., No.6, 1959, No. 25919

AUTHOR INST.

TITLE

: Goordia Zootachnical Veterinary Institute. : Experiments Pertaining to Supplementary

Feeding Chicks with Hydrolized Rasa Krasno-

ORIG. PUB.

yarskaya-9 Protein Yeasts.
V sb.: Materialy 13-y nauchn. konferentsii

ABSTRACT

(Gruz. zootekhn. vet. in-t). Ch. 2. Tbilisi,\*
: In the course of 40 days, 45-56 days old chicks were supplementarily fed yeast in a 3 g daily dose each, and at the age of 57-65 days with a 4 g dose, while chicks of the control group were each given 3 g of dry skim milk during both these time periods. Within this time the average weight gain in the experimental group amounted to 538 g, and in the control group to 529 g per chick. In another experiment, chicks 3-9 days old were supplementarily fod 0.3 g of yeast each, chicks 10-14 days old

Card:

1/2

**\*1957**, 22**-**26

COUNTRY . USSR

CATECORY

ABS. JOUR. : RZhBiol., No. 1959, No.

AUTHOR IMST. TITLE

ORIG. PUB. :

ABSTRACT

: were given 1.5 g, chicks 15-20 days old, 2 g, and chicks 21-30 days old, 3-4 g. In both experiments yeast was readily consumed, did not produce adverse effects and influenced growth, development and survival rate of the chicks favorably. In the experimental group the death rate amounted to 2 percent, in the control group to 6 percent. -- A. D. Musin

2/2 CARD:

ESAULENKO, L.; PAPAZIAN, L.

For a more rational use of starchy materials in jamb hide tarming. Pt. 1. Godishnik khim tekh 9 no. 1:133-142 '62 [publ. '63].

ESAULENKO, L.; PESHEVA, M., inzh.; MIKHAILOVA, E., inzh.

Bark of Solix viminalis as raw material for obtaining tanning extracts. Godishnik khim tekh 9 no.2:45-55 162 [publ. 163].

## ESAULENKO, Leonid IA.

A new device for the determination of certain physicomechanical indexes of wool fibers. Tekstilna prom 11 no.1:23-26 '62.

1. Khimiko-tekhnicheski institut, Sofia.

ESAULENKO, L.; KOVACHEV, N.

A way of determining sulfuric acid in pickle solutions while treating lamb and sheep hides by the bread-pickle method. Khim i industriia 36 no.4:133-136 164.

### ESAULOV, A.F.

The formation of vocational interests in older pupils. Uch.zap.
Len.un. no.214:77-88 '56. (MIRA 10:3)
(Vocational guidance)

ESAULOY, A.F., kandidat pedagogicheskikh nauk.

Studying the students in technical education. Politekh. obuch. no.9: 7-10 \$ \$57. (MLRA 10:9) (Technical education) (Students)

ESAULOV, A.F. (Leningrad)

Role of industrial experience and theoretical knowledge in constructive technical activity. Vop. psikhol. 8 no.3:136-148 My-Je '62. (MIRA 15:6) (Technical education)

ESAULOV E.A.

UBBR / Cultivated Plants. Plants for Technical Use.

Oil Plants. Sugar Plants.

Abs Jour : Rof Zhur - Biol., No 8, 1950, No 34783

Author Esculov, E. A. Inst Not Sivon

Title : Results of Experimentations with Hybrids of the

First Generation.

Orig Pub : Tabak, 1957, /2, 17-18

Abstract : Field experiments, conducted in 1955 in the Cri-

mean Sovkhoze for Tobacco Jultivation with 33 tobacco hybrids of the 1st peneration, have shown that hybrids #1 Krymskiy (American 315 x Ostrolist 2747), #2 Krumskiy (Ostrolist 2747 x American 315), #4 (Ostrolist 2747 x Trapezond 151), #15 (Kybrid A x Trapezong 1867) and Alma-Atmskiy #1, 1995

optimal qualities according to the crop field and

the yield or raw material. -- Smirnov.

Sard 1/1

Using sulfuric acid paste in tree tapping in Siberia. Gidroliz.
i lesokhim.prom. 10 no.4:22-23 '57. (MIRA 10:7)

1. Trest Zapsibkhimles.
(Siberia--Tree tapping) (Sulfuric acid)

AKULINICHEV, I.T.; ANDREYEV, L.F.; BAYEVSKIY, R.M.; BAYKOV, A.Ye.: BUYLOV, G.G. GAZENKO, O.G.; GRYUNTAL', R.G.; ZAZYKIN, K.P.; KLIMENTOV, Yu.F.; MAKSIMOV, D.G.; MERKUSHKIN, Yu.G.; MONAKHOV, A.V.; PETROV, A.P.; RYABCHENKOV, A.D.; SAZONOV, N.P.; UTYAMYSHEV, R.I.; FREYDEL', V.R.; KHIL'KEVICH, B.G.; SHADRINTSEV, I.S.; SHEVANDINA, S.B.; ESAULOV, N.G.; YAZDOVSKIY, V.I.

Method and means of medical and biological studies in a space flight. Probl. kosm. biol. 3:130-144 '64. (MIRA 17:6)

ESACLON, T

USSR/General Division - History. Classics. Personalities.

A-2

Abs Jour : Ref Zhur - Biologiya, No 7, 10 April 1957, 25676

Author

Inst

: Esaulov, P.

Title

: An Eminent Scientist and Expert on Stock-Raising.

Orig Pub : Kolkhoznoye proiz-vo, 1956, No 10, 32

Abst : No abstract.

Card 1/1

KORSHUNOV, A.A., gornyy inzh.; KRUGLOV, Ye.I., gornyy inzh.; ESAULOV, V.F., gornyy inzh.

Use of some new forms of timbering at the "Zolotushinskii" mine. Gor. zhur. no.7:77-78 Jl '65.

(MIRA 18:8)

1. Vsesoyuznyy nauchno-issledovatel'ski gornometallurgicheskiy institut tsvetnykh metallov (for Korshunov, Arugiov).

2. Zolotushinskiy polimetallicheskiy rudnik (for Esaulov).

ESAULOVA, I. N.: Master Biol Sci (diss) -- "The biology of blossoming and the mutual pollimbility of the better types of pears from the collection of the Maykop Experimental Station VIR". Leningrad, 1958. 16 pp (All-Union Greer of Lenin Acad of Agric Sci im V. I. Lenin, All-Union Inst of Plant Growing), 150 copies (KL, No 6, 1959, 131)

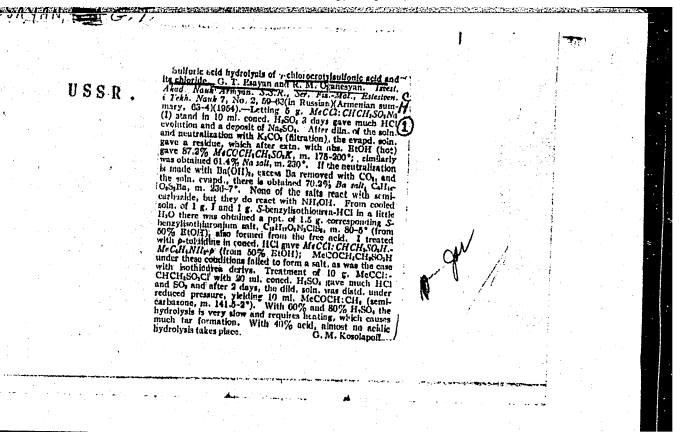
YEVDOKIMOVA, A.M.; ESAULOVA, V.A.; GANICH, M.M.

Nurses' councils. Med. sestra 20 no.4:59-62 Ap '61. (MIRA 14:5)

1. Predsedatel' Soveta meditsinskikh sester Vologodskoy gorodskoy bol'nitsy (for Yevdokimova). 2. Predsedatel' Soveta meditsinskikh sester Kirovskoy psikhonevrologicheskoy bol'nitsy (for Esaulova). 3. Glavnyy vrach Mezhgorskoy rayonnoy bol'nitsy, Zakarpatskaya oblast' (for Ganich).

(VOLOGDA -- NURSES AND NURSING) (KIROV-NURSES AND NURSING)

(MEZHGOR DISTRICT (TRANSCARPATHIA) -- NURSES AND NURSING)



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			Oganesyan, and Nauh S.S.S.R.	hydrogenation of d. T. Esayan, A. N. M. Manaser 94, 883-5(1954).— as performed in Ed and atm. pressures hat the primary prelds 2- and 3-bexen s followed by trea	gyan, Doklady a -Hydrogenation of	tkad. 62		
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ESAYAN, L.; ESAYAN, M.

Chromatography of gases. Note. 1.

P. 447 (REVISTA DE CHIMIE) (Bucuresti, Rumania) Vol. 8, No. 7, July 1957

SO: MMonthly Index of East European Accessions (EEAI) LC Vol. 7, No. 5. 1958

: Rumania Country

Gatogory= : Analytical Chemistry - General

Abo, Jour.: Ref Zhur-Khimiya, No 6, 1959

19059

E-1

Author

: Esayan, L.; Gherman, M.; Stefan, V.; Istrate, E.

Institut. Title

: Gas Chromatography. II. Analysis of a Mixture of Acetylene, Vinyl Chloride and Air. Analysis of Chlorine-Hydrogen Mixture.

Orig. Pub. : Rev. chim., 1958, 9, No 3, 125-128

Abstract : A method has been worked out for separating a mixture of  $C_2H_2$  (I), vinyl chloride (II) and air, in a coilshaped glass column, 1.6 m long and 5 mm in diameter, filled
with aluminum silicate (particle size 0.4-0.5 mm)impregnated
with dibutyl phthalate (in an amount of 20.6%). Catharometer readings are recorded by a photographic procedure similar to that used in polarography. Calibration curves for II are of linear shape, those for I are non-linear, being linear only for concentrations below 2%. Mean error of analysis about 1%. Mixtures of H2 and Cl2 are poorly separated in columns with silica-gel and charcoal, better -- in a column with a

Gard: 1/2

E-6

E-1

Country : Rumania

Catogory : Analytical Chemistry - General

Abs. Jour.: Ref Zhur-Khimiya, No 6, 1939 19059

Author : Institut. : Title :

Orig Pub. :

Abstract : carrier impregnated with dibutyl phthalate. Sensitivity 0.5% H<sub>2</sub> in analysis of 5 cm<sup>3</sup> Cl<sub>2</sub>. Communication I see RZhKhim, 1958, 4022. -- B. Anvayer.

Gard: 2/2

### ESAYAN, L.

Theoretical and empirical bases for a rapid evaluation of the equipment used in the chemical industry. Rev chimic Min petr 13 no.5:263-269 My 162.

BAYAN,	L.  Possibilities of applying fluidization petr 13 no.ll:641-647 N '62.	in	Rumania.	Rev ch	inie	Min		
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#### "APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041222

ACC NRI AP6020252

SOURCE CODE: RU/0003/65/016/11-/0566/0572

AUTHOR: Esayan, Maria

16

ORG: none

B

TITLE: Rapid determination of rectification columns by means of nomograms

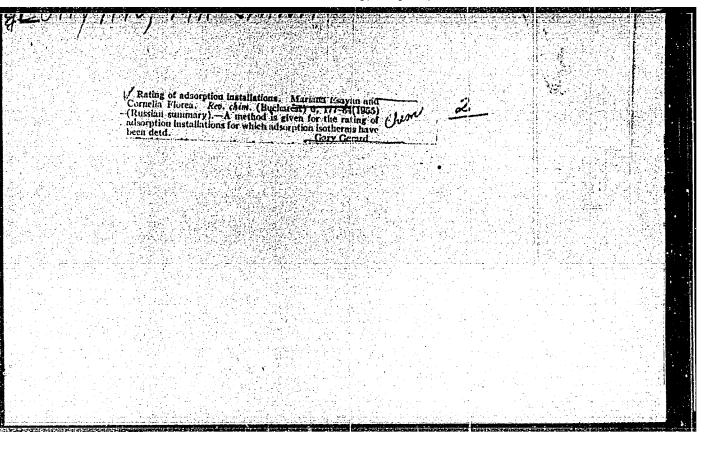
SOURCE: Revista de chimie, v. 16, no. 11-12, 1965, 566-572

TOPIC TAGS: fractional distillation, chemistry

ABSTRACT: A collection of nomograms for the graphic solution of problems relating to rectification column calculations. Nomograms are given for the calculation of the number of discs and the number of separate refluxings required for continuous and discontinuous fractioning; calculations relating to discontinuous simple distillation; and the calculation of the required column diameter for both disc and filled columns. Orig. art. has: 10 figures. [JPRS]

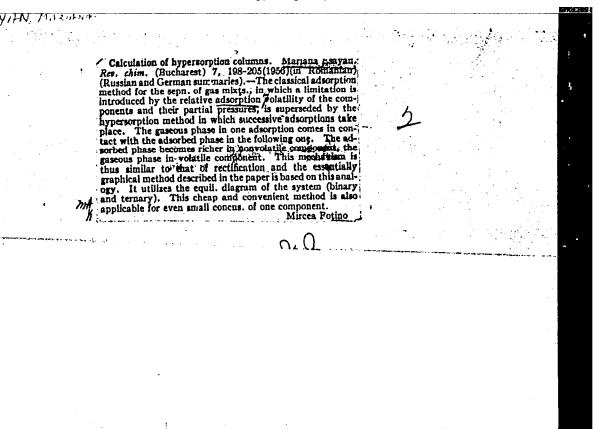
SUB CODE: 07 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 005

Card 1/1 15



#### "APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041222



ESAYAN, M.

RUMANIA/Chemical Technology. Chemical Products and Their

Application. Part 3. - Industrial Organic

Synthesis.

Abs Jour: Referat. Zhurnal Khimiya, No 21, 1958, 71635.

Author : Mariana Esayan, I. Ciolan.

Inst

: Butadiene Preparation of Ethyl Alcohol in Fluidized Title

Layer.

Orig Pub: Rev. chim., 1956, 7, No 1, 31-34.

Abstract: The first results of laboratory experiments of butadiene (I) preparation by Lebedev's method from ethyl

alcohol (II) in a mobile layer of a catalyst (C) are presented. The experiments were carried out on an installation with a reactor in the shape of a glass tube 24 mm in dia. in the bottom part filled with C

Card : 1/3

1.7

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RUMANIA/Chemical Technology. Chemical Products and Their Application. Part 3. - Industrial Organic Synthesis.

Abs Jour: Referat. Zhurnal Khimiya, No 21, 1958, 71635.

and 45 mm in the top part serving for settling C particles carried off by the gas flow. II vapors were preliminarily heated to the reaction temperature and equally distributed in the C mass by passing through a porous glass plate, on which the layer of C was placed. The size of C grains was 75 to 100  $\mu$ . Parallel experiments were carried out with the same C in an immobile layer. The yield of I depends on the reaction temperature and reaches a maximum at 420°; at a contact duration of 3.8, 3.9 and 4 sec. and temperatures of 400, 420 and 440°, the yield of I was 67.5, 71.5 and 67% and

Card : 2/3

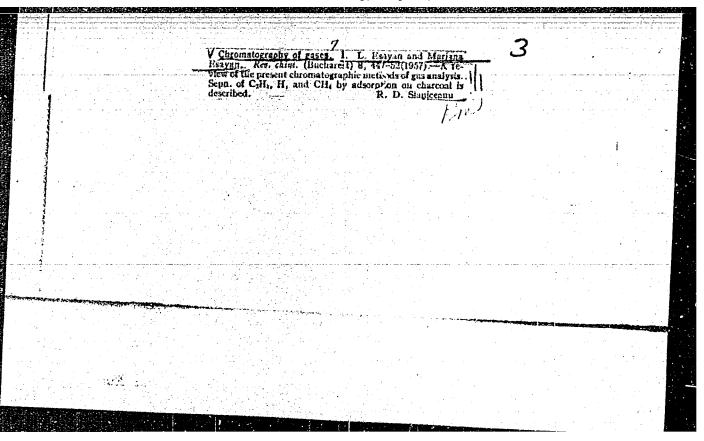
RUMANIA/Chemical Technology. Chemical Products and Their Application. Part 3. - Industrial Organic Synthesis.

H

Abs Jour: Referat. Zhurnal Khimiya, No 21, 1958, 71635.

the conversion degree was 23.2, 34.5 and 47% correspondingly. The author arrives at the conclusion that work with a mobile C layer produces better results, as far as the yield and the purity degree of I are concerned. Besides, local overheating causing C inactivity are eliminated by the C regeneration; the temperature remains uniform in the whole mass of C during the reaction. The introduction of C circulation guarantees the process continuity, maintains the maximum yield by continuously refreshing the C with the regenerated one, utilizes the heat liberated by C regeneration.

card : 3/3



# ESAYAN, Mariana

Rectification of partially miscible liquid mixtures. Rev chimie Min petr 14 no.5:266-273 My '63.

# ESAYAN, Mariana

Use of models in chemical engineering. Rev Chimie Min petr 16 no.1:4-9 Ja 165.

#### "APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041222

L 31859-66' IJP(c)

ACC NR: AP6021273

SOURCE CODE: RU/0003/65/016/001/0004/0009

AUTHOR: Esayan, Mariana-Esayyan, M.

/J -B

ORG: none

TITLE: Utilization of models in chemical engineering

SOURCE: Revista de chimie, v. 16, no. 1, 1965, 4-9

TOPIC TAGS: chemical engineering, chemistry

ABSTRACT: The author discusses the transposition of chemical engineering processes to a different scale and the problems involved in the application of the similarity principle. Use of extrapolation is suggested to avoid some of the difficulties since it provides a more reliable scale representation than the classical similarity method, although it is theoretically inferior. Orig. art. has: 27 formulas and 1 table. [Based on author's Eng. abstract] [JPRS]

SUB CODE: 07 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 001

Card 1/1 JS

UDC: 66.02.001.57.530.17

"APPROVED FOR RELEASE: Thursday, July 27, 2000 L 31443-66 SOURCE CODE: RU/0003/65/016/002/0070/0075 ACC NR: AP6023172 AUTHOR: Esayan, Mariana ORG: none TITIE: Scale transposition of mixing operations by means of stirring SOURCE: Revista de chimie, v. 16, no. 2, 1965, 70-75 TOPIC TAGS: chemical engineering, chemistry ABSTRACT: The author surveys the various and apparently contradictory aspects of the problem explored in the classical literature, and shows that extrapolation must be used in an interpretation of the stirring operation since the similitude principle does not strictly apply. The specific extrapolation rules for the different processes liable to occur in a system being stirred (heat and mass transfer, etc.) are elaborated, and the impossibility of deriving general scale-transposition equations is demonstrated. Orige art. has: 5 figures, 23 formulas and 1 table. Resed on author's Eng. abst. JPRS

SUB CODE: 07 / SUBM DATE: none / OTH REF: 004

Cord 1/1 3

FILATOV, A.N., prof.; ESBERG, N.A.

New methods of using cadaveric blood. Vest.khir. no.10:39-45
161. (HIRA 14:10)

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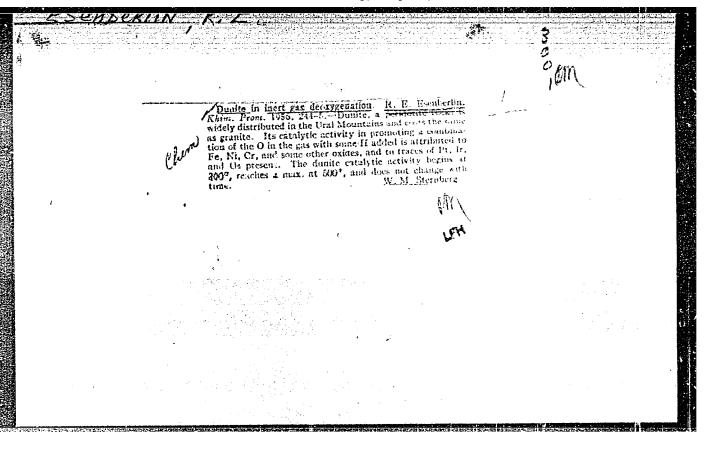
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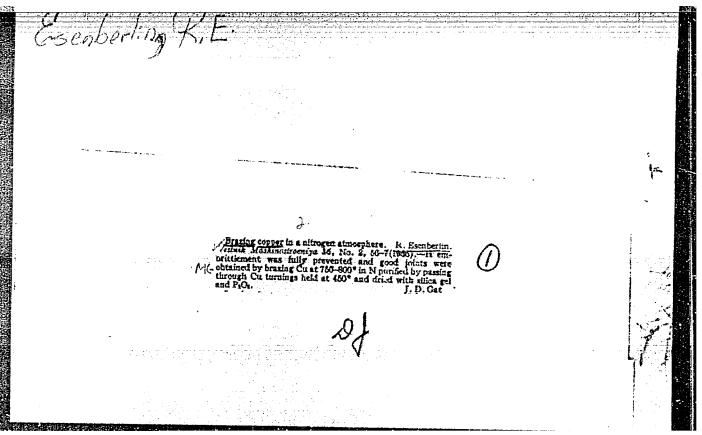
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USSR / Cultivated Plants. Commercial. Oil-Bearing. M-5 Sugar Bearing.

Abs Jour: Ref Zhur-Biol., No 6, 1958, 25127

Author : Eshanov, M.

Inst : Tashkent Agricultural Institute

Title : The Placement of Cotton Plants in Holes in Square-

Pocket Planting.

Orig Pub: Khlopkovodstvo, 1956, No 4, 21-24

Abstract: It has been established on the basis of field tests made in 1954-1956 at the training farm of the Tashkent Agricultural Institute that with both square and rectangular pocket planting of cotton the shoots are thinned leaving the rest of the plants in the shape of a long drawn out one-strip bunch. When using the scheme where the plants are placed 60 x 45 cm. - 3.60 x 60 cm. - 4 and 50 x 50 -

Card 1/2

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